INDIANA COMMISSION ON PROPRIETARY EDUCATION

Board of Commissioners Meeting Memorandum

Date:

May 11, 2007

From:

Rebecca Carter, Director of Regulatory Compliance

Subject:

CONTECH INSTITUTE

NEW DEGREE APPLICATION – ASSOCIATE OF APPLIED SCIENCE

Staff Recommendation

The commission staff recommends that ConTech Institute be granted the authority to award the Associate of Applied Science degree in the following program:

HVAC Studies

Background Information

ConTech Institute has been regulated by the Indiana Commission on Proprietary Education since January 26, 2006. The school was granted Fully Accredited status by the Commission in March 8, 2007.

The associate of science degree consists of 100 quarter-credit hours of training; a minimum of 75% of the courses are in the Specialty; and the faculty meets the criteria as stipulated in 570 IAC 1-10.1-4.

Supportive Documentation

- 1. Degree Application
- 2. Instructor Qualification Record Forms

INDIANA COMMISSION ON PROPRIETARY EDUCATION

DEGREE APPLICATION (New or Renewal program)

Use the <tab> key to advance to the next field, or select a field by clicking the cursor.

Name of Institution	CONTECH INSTITUTE	– Columbus, IN				
Name of Program	HVAC STUDIES					
Level of Degree (AAS, AS, AA, BAS, BA, BS, MBA, MAS, MA, MS, Ph.D.)						
Name of Person Preparing t	his Form	Cindi B. Thomas				
Telephone Number	812-379-9544	<u>Applicat</u>	ion Type			
Date the Form was Prepare	d April 4, 2004	⊠ New	Renewal			
explain how it is structure	S: Describe what the program is doing order to accomplish the obj	jectives.				
	plied Science degree in HVAC Stu					
	led workers in the heating, ventilat					
	petency based rather than a traditi					
	I from a national standardized HVA					
	struction Education and Research					
	is recognized nationally. General					
	ence and communications skills th					
required by trade journeyma	an and first line supervisors in the	<u>field. This progra</u>	m will provide			
students with sufficient deve	<u>elopment for entry as a mid-level F</u>	IVAC professiona	<u>ll with highly</u>			
developed technical skills, a	additional development of compute	tional and comm	<u>unication skills,</u>			
and a deeper understanding	g of his/her role in the HVAC indus	stry.				
The primary objectives of the	ne AAS Degree in HVAC Studies a	<u>ire to:</u>				
1. Provide the industry	with well trained, competent HVA	<u>C professionals w</u>	<u>/ho are able to be</u>			
quickly assimilated into the	industry and meet or exceed the p	productivity and qu	<u>uality</u>			
expectations of employers.						
2. Prepare students wi	th the essential specific HVAC tec	hnical skills that o	can be sufficiently			
applied to any form of resid	ential, commercial, industrial, roac	l and bridge, and/	<u>'or maintenance</u>			
project site.						

II. <u>PROGRAM STRUCTURE</u>: List all courses in the program. Indicate course name, number, and number of credit hours or clock hours for each course.

NAME OF PROG	BRAM:	HVAC STUDIES				
TOTAL COURSE HOURS:		100	Check one:	Quarter H	ours	<u> </u>
				Semester	Hours	
				Clock Hou	urs	
LENGTH OF PR	OGRAM:	16 months	TUITION:	\$22,400		
SPECIALTY CO	URSES:					
Course Number	Course <u>Title</u>				Course <u>Hours</u>	
BUS 245	SALES T	ECHNIQUES FOR TH	IE HVAC PROFESS	SIONAL	4	
COL 120	INTRODU	JCTION TO COOLING	B		4	
ELEC 150	BASIC EL	ECTRICITY & ALTER	RNATING CURREN	<u>T</u>	_4	
ELEC 255	CONTRO	L TROUBLE SHOOT	ING/ELECTRONICS	S	_4	
HTG 115	INTRODU	JCTION TO HEATING	è		4	
HVAC 100	HVAC FL	INDAMENTALS			2	
HVAC 105	INTRODU	JCTION TO RELATE	O HVAC SKILLS	·	_1	
HVAC 140	AIR DIST	RIBUTION/VENTING	/MAINTENANCE O	F A/C	4	
HVAC 150	ELECTR	ICAL HEAT/COMPRE	SSORS/METERING	<u> </u>	4	
HVAC 160	HEAT PL	JMPS/HANDING REF	RIGERANTS		4	
HVAC 180	COURSE	SURVEY			4	
HVAC 225`	MAINTE	NANCE/TROUBLESH	OOTING		4	
HVAC 235	TROUBL	ESHOOTING SYSTE	MS		4	
HVAC 245	HYDRO	NIC/AIRSIDE SYSTEM	//S/BALANCING		4	
HVAC 255	COURSI	SURVEY (OR ELEC	TIVE)		4	
HVAC 265	BLUEPR	INT READING/INDO	OR QUALITY SYST	EMS	4	
HVAC 275	ENERG'	Y/BLDG.MGMT/WATE	R TREATMENT_		4	
HVAC 285		JP/LOAD CALCULAT		TION	4	
HV/AC 205	COURSI	E SURVEY (OR ELEC	CTIVE)		4	

SPECIALTY COURSES: Course Course Course Hours Number Title **OSHA 10-HOUR SAFETY CERTIFICATION** 1 **OSHA 110** 4 APPLIED PHYSICS SCI 120 **GENERAL EDUCATION / LIBERAL ARTS COURSES:** Course Course Course Hours **Title** Number 1 COMMUNICATIONS **COM 110** APPLIED COMMUNICATIONS **COM 220** 4 INTRODUCTION TO COMPUTERS IT 101 4 **BASIC MATHEMATICS MAT 100** 4 TRADE MATHEMATICS **MAT 201** PSYCHOLOGY: SKILLS FOR WORKING & LIVING 4 **PSY 105**

Number of Credit/Clock Hrs. in Specialty: Number of Credit/Clock Hrs. in General Courses:		/	Percentage: Percentage:	75% 25%
If applicable: Number of Credit/Clock Hrs. in Liberal Arts:	0	1	Percentage:	0

- III. <u>LIBRARY</u>: Please provide information pertaining to the library located in your institution.
- 1. Location of library; Hours of student access; Part-time, full-time librarian/staff: Our students utilize an online library that has 1.5 million articles from journals, magazines and newspapers. Questia online library has an unlimited use of their collection as no book is ever checked out. It provides powerful research tools. Since the school utilizes an online library, instruction is provided to all students on how to utilize the research tools and access the online library

2. Number of volumes of professional material:

The school maintains the following professional resource materials:

National Center for Construction Education and Research (NCCER):

Instructor manuals - HVAC Levels 1-4, Tools for Success, Exploring Careers in
Construction, Fundamentals of Mechanical and Electrical Mathematics

Interactive CD's:

Math Basics, Safety Basics, Blueprints, Introduction to Power Tools, Introduction to Hand Tools, Basic Rigging

ESCO Institute training manuals:

EPA 608 Preparatory Manuals, Heat Pump Troubleshooting, HVACR Electrical

Troubleshooting and Servicing, System Diagnostics and Troubleshooting Procedures,

Medium nd High Efficiency Gas Furnances, Compression Systems, Basic Refrigeration
and Charging Procedures, Carbon Monoxide, R-410A Safety and Training

Carrier Corporation General and Technical Training:

Be Compressor Wise, Residential Condensing Unit Replacement, Hermetic Compressor Replacement, Brazing, Evacuation and Charging, Air Measurement, Metering Devices, Add-on Air Conditioning Replacement, Gas Furnance Replacement, Advanced Troubleshooting, Electrical Test Equipment, Electrical Troubleshooting, Air Conditioning Tune-Up, Troubleshooting Rooftops, Charging Procedures - Residential Units, Electronic

Controls - Variable Speed Technology, Electronic Controls - Microprocessors,

Understanding Wiring Diagrams, Scroll Compressors, Residential Air System Design,

Refrigerant Service Techniques, General Training Air Conditioning I, General Training

Air Conditioning II, General Training Heating II, Load Estimating, Air Distribution, Piping

Design, Schematic Wiring Simplified, HVAC Servicing Procedues

ManualThomson Delmar Training:
Residential Ligh Commercial Text and Lab

3. Number of professional periodicals subscribed to:

Currently we subscribe to HVAC Excellence. Our online library has professional periodicals and the school is evaluating our needs for professional periodicals to be located on campus. After the review is complete, appropriate periodicals will be subscribed to.

If you have any questions pertaining to the required standards for degree granting approval, please refer to 570 IAC 10.

openings on Sunday afternoons 1:00 p.m. until 4:00 p.m.

Doc.: degreappform.doc

IV. <u>FACULTY</u>: Attach completed Instructor's Qualification Record for each instructor.

** Include <u>all required documentation</u> pertaining to the qualifications of each instructor.

Total # of Faculty in the Program:	2	Full-time:	2	Part-time:	2
Total # Of Labarty III the Line !					

Fill out form below: (PLEASE LIST NAMES IN <u>ALPHABETICAL</u> ORDER.)

List Faculty Names	Degree or	# Years of Working	# Years Teaching	# Years Teaching	Check	one:
List i douby ramos	Diploma	Experience	at Your	at	Full-	Part-
(Alphabetical Order)	Earned	in Specialty	School	Other	time	time
Boone, David		26	1	8	Х	
Hinson, Joseph M.		15	less than	0	х	
Kohlman, Daniel L.	Associate	_11	1	3		х
Thomas, Robert B.	Bachelors	12	11	5		х

INDIANA COMMISSION ON PROPRIETARY EDUCATION

INSTRUCTOR'S QUALIFICATION RECORD

Instructions: Include all training/education applicable to current teaching assignments. This form will not be processed unless all supportive documentation required for review has been attached with this form (i.e., transcripts and letters identifying the precise nature of previous work and teaching experience, signed by a former direct supervisor.)

Please TYPE the form.

NAME:

HVAC Contractor

HVAC Instructor

HVAC Contractor

Manager

Customer Assurance

Self-Employed

Self-Employed

Kock Air - Indianapolis

ITT Tech. Inst. - Indpls.

Boone

Use the <tab> key to advance to the next field, or select a field by clicking the cursor.

David

(First)

(Middle)

2006

2000

1995

1990

2004

1996

1991

1980

(Last)		(First)	(Middle)	
NAME OF INSTITUTION	ON: ConTech	n Institute		
	Names o	of Courses Taught:		
All courses in the prog	ram except the OSI	HA SAFETY CERTIFICATION	N COURSE	
<u> </u>	<u> </u>			
			<u> </u>	
	·			
Sauras of		Area or Subject of	Period of A	ttendance
Source of Training/Education	Location	Training/Education	From:	То:
IUPUI	Indianapolis	Mechanical Eng. Tech.	1975	1976
York Institute	York, PA	HVAC	1974	
USAF	Biloxi, MS	Electronics	1969	1970
Purdue University	Lafayette	Mechanical Eng. Tech.	1967	1969
			Employment Period	
Applicable Experience	Location	Exact Nature of Experience	From:	To:
<u> </u>		Service & Install HVAC		

Equpiment

Solving

Dealer Training - Problem

Train Student in HVAC

HVAC Contractor

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Please TYPE the form.

Use the <tab> key to advance to the next field, or select a field by clicking the cursor.

NAME:	Hinson (Last)		Joseph (First)	(Middle)	
NAME OF I	NSTITUTIO	N: ConTect	1		
		Names o	of Courses Taught:		
All courses i	n the progr	am except the OSI	HA SAFETY CERTIFICATIO	N COURSE	
		· · · · · · · · · · · · · · · · · · ·			
-				Period of A	Attendance
Source of Training/Ed	ducation	Location	Area or Subject of Training/Education	From:	To:
					
	EDEPT ST. SZEDI.			Employme	
Applicable Experience		Location	Exact Nature of Experience	From:	To:
HVAC Field S & Service Mar	ervice Tech.	IN, OH, IL	Service Calls, Repair & Servicing Carriers	1972	Present
ľ		1	•	ı	1

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Please TYPE the form.

NAME.

Kohlman

Use the <tab> key to advance to the next field, or select a field by clicking the cursor.

Daniel

L.

1974

1971

Teaching Electronics

Indianapolis

RETS Tech. School

(Last)		(First)	(Middle)		
NAME OF INSTITUTION	ON: ConTech	<u> </u>			
	Names o	of Courses Taught:			
All courses in the prog	am except the OSI	A SAFETY CERTIFICATION	COURSE	· · · · · · · · · · · · · · · · · · ·	
					
Source of		Area or Subject of	Period of Attendance		
Source of Training/Education	Location	Training/Education	From:	To:	
Various Equipment Seminars	Indianapolis	HVAC	1971	Present	
ITT Technical Institute	Indianapolis	Electronics	1969	1971	
Southwester Indiana Vocational School	Versailles, IN	Electronics	1966	1969	
				in a second	
Applicable		Exact Nature of	Employment Period		
Experience	Location	Experience	From:	To:	
Associated Builders & Contractors	Indianapolis	Teaching HVAC	2005	Present	
ConTech	Columbus	Teaching HVAC	2006	Present	
Decker College	Indianapolis	Teaching HVAC	2004	2005	

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Please TYPE the form.

NAME:

Thomas

Use the <tab> key to advance to the next field, or select a field by clicking the cursor.

Robert

(Middle)

(Last)		(First)	(Middle)	
NAME OF INSTITUTION	N: ConTech			
	Names of	Courses Taught:		
OSHA 10-Hour Constru	ction Outreach Train	ing		
				<u> </u>
Source of	Location	Area or Subject of Training/Education	Period of A From:	ttendance To:
Training/Education OSHA Outreach Train-the- Trainer Program	Eastern Kentucky University	10 & 30 Hr. Construction Outreach Programs	3/8/04	3/12/04
Murray State Unviversity	Murray, KY	Bachelor of Science		1995
		Exact Nature of	Employment Peri	
Applicable Experience	Location	Experience	From:	To:
10+ Yrs. of Construction Safety/Training	OH, KY, IN	Construction Safety	1995	2006
			-	

